



/OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/039,119A

DATE: 07/19/2002

TIME: 15:12:15

Input Set : A:\STEM1110-4.ST25.txt
 Output Set: N:\CRF3\07192002\J039119A.raw

2 <110> APPLICANT: STEM CELL PHARMACEUTICALS, INC.
 3 TWARDZIK, Daniel R.
 4 PERNET, Andre
 5 FELKER, Thomas S.
 6 PASKELL, Stefan
 8 <120> TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONALL FRAGMENTS AND METHODS OF
 USE THEREFOR
 10 <130> FILE REFERENCE: STEM1110-4
 12 <140> CURRENT APPLICATION NUMBER: US 10/039,119A
 C--> 13 <141> CURRENT FILING DATE: 2002-07-02
 15 <150> PRIOR APPLICATION NUMBER: US 09/641,587
 16 <151> PRIOR FILING DATE: 2000-08-17
 18 <150> PRIOR APPLICATION NUMBER: US 09/492,935
 19 <151> PRIOR FILING DATE: 2000-01-17
 21 <150> PRIOR APPLICATION NUMBER: US 09/378,567
 22 <151> PRIOR FILING DATE: 1999-08-19
 24 <160> NUMBER OF SEQ ID NOS: 7
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 50
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Homo sapiens
 33 <400> SEQUENCE: 1
 35 Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys
 36 1 5 10 15
 39 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys
 40 20 25 30
 43 Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu
 44 35 40 45
 47 Leu Ala
 48 50
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 50
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Rattus norvegicus
 56 <400> SEQUENCE: 2
 58 Val Val Ser His Phe Asn Lys Cys Pro Asp Ser His Thr Gln Tyr Cys
 59 1 5 10 15
 62 Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys
 63 20 25 30
 66 Val Cys His Ser Gly Tyr Val Gly Val Arg Cys Glu His Ala Asp Leu
 67 35 40 45
 70 Asp Ala
 71 50

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74 <210> SEQ ID NO: 3
75 <211> LENGTH: 57
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: A modified human TGF-alpha sequence
82 <400> SEQUENCE: 3
84 Ser Leu Ser Leu Pro Ala Met Val Val Ser His Phe Asn Asp Cys Pro
85 1 5 10 15
88 Asp Ser His Thr Gln Phe Cys Phe His Gly Thr Cys Arg Phe Leu Val
89 20 25 30
92 Gln Glu Asp Lys Pro Ala Cys Val Cys His Ser Gly Tyr Val Gly Ala
93 35 40 45
96 Arg Cys Glu His Ala Asp Leu Leu Ala
97 50 55
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 11
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment
108 <220> FEATURE:
109 <221> NAME/KEY: MISC_FEATURE
110 <222> LOCATION: (1)..(10)
111 <223> OTHER INFORMATION: Xaa at residue 1, 5, 7 to 9 is independently V, G or A; Xaa
at
112 residue 6 is Y or F; and Xaa at residue 10 is R or K
114 <400> SEQUENCE: 4
W--> 116 Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Cys
117 1 5 10
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 7
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment
128 <220> FEATURE:
129 <221> NAME/KEY: MISC_FEATURE
130 <222> LOCATION: (1)..(7)
131 <223> OTHER INFORMATION: Xaa at residue 1 and 4 is E or D; Xaa at residue 3 and 7 is
V, G,
132 or A; Xaa at residue 5 is L or I; and Xaa at residue 6 is D or E
135 <400> SEQUENCE: 5
W--> 137 Xaa His Xaa Xaa Xaa Xaa Xaa
138 1 5
141 <210> SEQ ID NO: 6
142 <211> LENGTH: 18
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment

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149 <220> FEATURE:
150 <221> NAME/KEY: MISC_FEATURE
151 <222> LOCATION: (1)..(18)
152 <223> OTHER INFORMATION: Xaa at residue 1, 5, 7-9, 14, 18 is indep. V, G, or A; Xaa

at

153 residue 6 is Y or F; Xaa at residue 10 is R or K; Xaa at residue 12,
154 15 is indep. E or D; Xaa at residue 16 is L or I; Xaa at residue
155 17 is D or E

157 <400> SEQUENCE: 6

W--> 159 Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Cys Xaa His Xaa Xaa Xaa
() 160 1 5 10 15

W--> 163 Xaa Xaa

167 <210> SEQ ID NO: 7

168 <211> LENGTH: 7

169 <212> TYPE: PRT

170 <213> ORGANISM: Artificial Sequence

172 <220> FEATURE:

173 <223> OTHER INFORMATION: Modified human TGF alpha sequence fragment

175 <220> FEATURE:

176 <221> NAME/KEY: MISC_FEATURE

177 <222> LOCATION: (1)..(7)

178 <223> OTHER INFORMATION: Xaa at residue 1 and 2 is indep. V, G, and A; Xaa at residue

7 is

179 K or R

181 <400> SEQUENCE: 7

W--> 183 Xaa Xaa Ser His Phe Gln Xaa

184 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/039,119A

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Input Set : A:\STEM1110-4.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1,5,6,7,8,9,10
Seq#:5; Xaa Pos. 1,3,4,5,6,7
Seq#:6; Xaa Pos. 1,5,6,7,8,9,10,12,14,15,16,17,18
Seq#:7; Xaa Pos. 1,2,7

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8